

DEPARTMENT OF THE AIR FORCE
Air Force Petroleum Office (AFPET)
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Air Force Fuels Policy Directive 05-005
1 September 2005
Deliberate Planning

INTERIM PROCEDURES TO CALCULATE FUEL REQUIREMENTS

1. **PURPOSE:** Provide and direct immediate implementation of procedures for calculating fuel requirements.
2. **AUTHORITY:** Policy is approved by AF/ILGM and remains in force until amended, replaced or rescinded.
3. **BACKGROUND:** The DoD Inspector General Office reported the Air Force inconsistently and/or incorrectly included F quantities in petroleum war reserve requirement computations. Specifically, the "F-Qty" (the amount of fuel anticipated via in-flight) must be subtracted from the Gallons per Sortie (GPS) in the quantity requirements calculations for all aircraft except for tanker aircraft. The GPS on tanker aircraft represents the amount of fuel for internal aircraft consumption and for fuel to be offloaded during the sortie. If not excluded from all other aircraft (who receive fuel from the tanker), the F-Qty is covered twice and both fuel and equipment requirements are thereby overstated.
4. **PROCEDURES TO DETERMINE MAX 1-DAY FUEL REQUIREMENTS:**
 - 4.1. Obtain the appropriate command portion of the Wartime Aircraft Activity (WAA) from the parent MAJCOM or local Logistics Plans Office for each Operational Plan (OPLAN).
 - a. Separate the WAA activity per OPLAN:
 - Each WAA contains aircraft activity including: unit, sorties per day, gallons per sortie, and sortie generation factor.
 - b. Use a spread sheet or other suitable method to record each line of activity:
 - One line of activity equals one weapons system and estimated gallons per sortie.

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DISTRIBUTION: All MAJCOMs and Field Activities

- (1) Calculate each day's fuel requirement by weapon system. Take the total gallons of fuel issued to each aircraft minus F-Qty* multiplied by the number of aircraft multiplied by the sortie generation factor.
- (2) Add each day activity for each weapons system (This represents the total output per day).
- (3) Accomplish the same for each separate OPLAN.

***Note: The "F-Qty" refers to the amount of fuel anticipated via in-flight and must be subtracted from the GPS in the requirements calculations except for tanker aircraft.**

c. The MAX 1-day fuel requirement is used to:

- Determine the wartime hydrant utilization rate
- Determine wartime refueling vehicle authorizations
- Determine equipment requirements generated by the FORCE/FMSE calculator
- Program and validate requirements posted on the Inventory Management Plan.



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